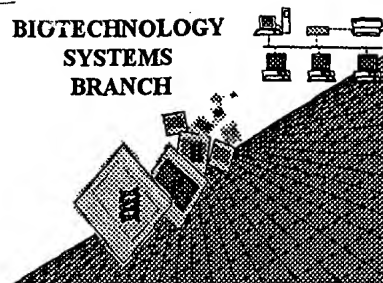


A. Mehta

RAW SEQUENCE LISTING **ERROR REPORT**

BIGTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number: 09/180,798
Art Unit / Team No. : 1649
Date Processed by STIC: 1/13/2000

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

Raw Sequence Listing Error Summary

SERIAL NUMBER: 09/180,798

ERROR DETECTED SUGGESTED CORRECTION

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 2 Wrapped Aminos The amino acid number/text at the end of each line "wrapped" down to the next line.
This may occur if your file was retrieved in a word processor after creating it.
Please adjust your right margin to .3, as this will prevent "wrapping".
- 3 Incorrect Line Length The rules require that a line not exceed 72 characters in length. This includes spaces.
- 4 Misaligned Amino Acid The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs
Numbering between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
- 5 Non-ASCII This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
- 6 Variable Length Sequence(s) contain n's or Xaa's which represented more than one residue.
As per the rules, each n or Xaa can only represent a single residue.
Please present the maximum number of each residue having variable length and
indicate in the (ix) feature section that some may be missing.
- 7 PatentIn ver. 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
sequence(s) . Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section
to the subsequent amino acid sequence.
- 8 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence:
(OLD RULES) (2) INFORMATION FOR SEQ ID NO:X:
 (i) SEQUENCE CHARACTERISTICS:(Do not insert any headings under "SEQUENCE CHARACTERISTICS")
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:
 This sequence is intentionally skipped

Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
- 9 Skipped Sequences Sequence(s) missing. If intentional, please use the following format for each skipped sequence.
(NEW RULES) <210> sequence id number
 <400> sequence id number
 000
- 10 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES) Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 11 Use of <213>Organism Sequence(s) are missing this mandatory field or its response.
(NEW RULES)
- 12 Use of <220>Feature Sequence(s) are missing the <220>Feature and associated headings.
(NEW RULES) Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial" or "Unknown"
Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)
- 13 PatentIn ver. 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).
Instead, please use "File Manager" or any other means to copy file to floppy disk.

0. mehta

1649

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/180,798

DATE: 01/13/2000
TIME: 12:18:42

Input Set: I180798.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

Does Not Comply
Corrected Diskette Needed

1 <110> APPLICANT: NOVARTIS AG
2 <120> TITLE OF INVENTION: Improvements in or relating to organic compounds
3 <130> FILE REFERENCE: Jen1
4 <140> CURRENT APPLICATION NUMBER: US/09/180,798
5 <141> CURRENT FILING DATE: 1998-11-16
6 <160> NUMBER OF SEQ ID NOS: 33
7 <170> SOFTWARE: PatentIn Ver. 2.1
8 <210> SEQ ID NO 1
9 <211> LENGTH: 6695
10 <212> TYPE: DNA
11 <213> ORGANISM: Daucus carota
12 <220> FEATURE:
13 <221> NAME/KEY: misc_feature
14 <222> LOCATION: (3696)..(6617)
15 <223> OTHER INFORMATION: CDS
16 <220> FEATURE:
17 <221> NAME/KEY: intron
18 <222> LOCATION: (3731)..(3802)
19 <220> FEATURE:
20 <221> NAME/KEY: intron
21 <222> LOCATION: (3851)..(3979)
22 <220> FEATURE:
23 <221> NAME/KEY: intron
24 <222> LOCATION: (4124)..(4211)
25 <220> FEATURE:
26 <221> NAME/KEY: intron
27 <222> LOCATION: (4284)..(4357)
28 <220> FEATURE:
29 <221> NAME/KEY: intron
30 <222> LOCATION: (4430)..(4528)
31 <220> FEATURE:
32 <221> NAME/KEY: intron
33 <222> LOCATION: (4642)..(4757)
34 <220> FEATURE:
35 <221> NAME/KEY: intron
36 <222> LOCATION: (4890)..(4967)
37 <220> FEATURE:
38 <221> NAME/KEY: intron
39 <222> LOCATION: (5295)..(5803)
40 <220> FEATURE:
41 <221> NAME/KEY: intron
42 <222> LOCATION: (6197)..(6339)
43 <400> SEQUENCE: 1
44 tctagatgac gaaatcgcg c tacctttgat ttngaaatac taggtttag tatcttgatt 60

W-->

pp 1-2

see item 10 on Ena Summary Sheet

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/180,798DATE: 01/13/2000
TIME: 12:18:42

Input Set: I180798.RAW

W--> 45 agtttttttg atattcttgc gtaatttctt taggagatgc aaacgggtctt catttaatat 120
46 gagcccttgt gacttgacaa aagtatctag catgtttgat cagcaggtag ctaaaaagta 180
47 gcgtgtttga ttaagcacat aatattgtat tgggcctatt ggctatcaat gaagtttgat 240
48 gcaagtatat agcttgattt atgcatgtga tgagggtata taaaagaagt aaagaacatt 300
49 ctctcgtagc attcattttt ctcttgcta tagttaacga gttttgtcac acatgacgtt 360
50 gaaactggat gtgtctgttc ttccatctaa gtttgatta cctgatagat gctcaacttc 420
51 ttctgcagcc ttttctttcc gatttttccc aagacaagat tctttagtta atagtatttg 480
52 ctctgggtggc ttgtgtgcat ttttaggaatc ttactctgtt ttttaatgga gaaacgaaac 540
53 ctaccttttt ttctgtgttc ctttttatga tatcacctgc ttggaggcgt ttagacttta 600
54 tccacgtaaa ctattcatgt ttaccagaca agctatacgt tttatcccc cccccgcgg 660
55 acctgngac aaaagaagcg ctgatgaact gatttaatcc gtgttttatt atattacaca 720
56 ttgatgcttc atggagctaa tatctttggg taaatttcat gtatatatat acccttccct 780
57 cttgtgatgg cagtggcccc tegttaattt agcgtactta attatctgat ggatactgta 840
58 tgcttggcag atgatgtcat cagattatac catttgttgt gctctacaaa ataaaaaac 900
59 tctatttatg ttcacttttt tggtaacaag taactaattg atgcgctatg ttgacaggcg 960
60 atgcattaca caacttacga actagcttgc aagatcccaa caatgtcctg cagagctggg 1020
61 atccaaccct tgtgaaccct tgcacatggg ttcatgtgac atgtaacaat gaaaacagtg 1080
62 ttataagagt gtaggtcact tcccttatta atttttttag caagttacga atatttactc 1140
63 aattgagcag atgtctcttt aaatattttt cttaattttc ttagctaagc ggagcatcta 1200
64 tcttaagtat ctctactgaa ttaagacat aatacatttt tttaaaaaat ctattagagt 1260
65 gttttttccg cacagcgcac atatatcttt tttctggtaa ttcagacaac ctttctcccg 1320
66 acgataaaat aatataagat taactccttg aactaatttt ttatttttct tttcttttta 1380
67 tgttctttgc agaaagtttc ttatgggtctt ttgtgaaaag tacattctat gataattttt 1440
68 tggcaactca tataaattta tatatattcc atgtagtat aagttaaaaa aagcttcccta 1500
69 ttaattccaa gatagagggt catttttata gtttggcat ccagtagttt ttgaaaatgt 1560
70 cagaaatttt gttgagttaa tttacttac caacttttat ggcgtcctgc agtgatcttg 1620
71 ggaatgcagc attatctggt caattgggtc ctcttggcca gttgaaaaat ttacaatact 1680
72 tgtaagacca tatcacttgg aatgctttag ttttatata gcacaatgct ttcaatatct 1740
73 gttaaaagtg tgaaaaagtt gactttctag cttcagcagt tgttcggata atatctatga 1800
74 agcacttaaa aggcgtgggca atttttttgt tattatttca aatattgtta attgttacta 1860
75 cttaatatga taaactgatt taactcctca tgattggtct cagtccaatg tgccctcatt 1920
76 agtcacatna taaaattggg ggggttgaca aatataactt cttttcttaa ggtccagaaa 1980
77 gagcacttat caacctgtgc tagcgcataa cgtcacagtg ggtcagtcac gggctatcca 2040
78 gtttggggag gttttaatga gcacttattt acctgtctt ttaaactgtc gaggatgta 2100
79 ttaaagtctg catcattcag agtttaaat agcactttca gttgtattat gaatggtaca 2160
80 tgaaagatac atatcttaat gttcctatgc ctgtttcaac atgtctctaa tattctgtta 2220
81 tctttgtcat cttaaaaatg gcactgatta aaatgtgaga aaggtagtct tccaatacca 2280
82 tttcatgtat accagagaat atcataattt ttttaaatca taagttgggc cctagagttt 2340
83 tctcagtatt ggtctattta tttttccac catttagaac tgtgttgta gatgaaaatc 2400
84 ttggacttcc acagaagatc ttatagtaaa agtattcttt agatctgatg atgaaagtgt 2460
85 tcatgggtgt gcctgtccca gaatttaaat caatcccatg tcacatgttt gttgatctga 2520
86 ctactcactg ttaatcgaag agtaactatt tgtgaattaa atgctttttt tttgttctt 2580
87 catgcttagc gttataaagg tctacgtctg actatggttt ttaacatgtt atagttttgt 2640
88 actgacaagt ttaaagtttc tcttgtttac gaattaaagaa tatataatat aaaacgcttt 2700
89 aactttctct gtggaaggtg ttcttacctt tttatatata tatatagata ctgactctt 2760
90 gctggcaatt atatcttacg aacttacgag tatacagaac ttgtatatta ggttcagatg 2820
91 agtggctgta gtagaacacc ttaagcaaga acttaatcat gaggtttcaa ctttttaact 2880
92 ttcttttttag attttttcaa gtttatggaa aattgtacct catgatcgtg gtttctttcc 2940
93 ataaactttc catataagtc cgtttcttga cgttttcatg taagctgttg acgagtgtt 3000
94 attagcgggt ctttcaataa tcataatgtg tctcactttg atgaggcctg tacttattat 3060

W--> 76

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/180,798

DATE: 01/13/2000
TIME: 12:18:42

Input Set: I180798.RAW

```

95      tgcaccttgc acttaacctt gatcctcatg tcatcttgat tgtcatagtc tactaaccga 3120
96      gttgaacatg gtttatcatg tcttttgagg taacaatgta gctttcacct ctgtccttga 3180
97      tataggttta aggcttgac cccccactag cctttcggtg ttttattcac agttcacaca 3240
98      cctactagca ctgttcacct ctagtctttt gtccgcaa atagaagaag ttctttcgca 3300
99      taatagtggg tgatcattta agaaatagtg aatcaaatta tctgtgttatt gtgtttgtac 3360
100     tttggaatta aatgagttgc tgaacattgt tctgttttat cgttgtcaag gctttgccaa 3420
101     ggaaggcgat tagtaagagt gggcatccaa gcgcctttat cttgaagggg cggggcgac 3480
102     gttgtggatt ctgggtgtct attagaggac attatctata tatactgatt atttattaga 3540
103     atataaatca actactatat ttttctttgt aatgtttata tagaaatccc actcgtaaac 3600
104     ttgacaaata ccattgaaat atttgaacct aattaattag tagtgtcagg tttaaattca 3660
105     aactcattta attttacttt aaaaaataat tctatatgaa tctgaacagt ataaatatat 3720
106     taaattacat gtatgtgtgc ctatatatag ctgaatgtct aatagactcc aagacggctg 3780
107     ctcttactgc ctaggcgtcc aggcagttca ctgatgctta ccttgacaaa tatggggttc 3840
108     gtatgacatt gttggggatc cctatcactg gattcctgtt ttgctgacct tctgttcaat 3900
109     tgattttcat tgatgtagta ttactagttt tataaatatt ctttattgca ataatttaac 3960
110     tggagtttaa caatgacagg gagctttaca gcaataacat aagtggacca attcctagtg 4020
111     atcttgggaa tctgacaaat ttggtgagct tggacctata catgaatagc ttctctggac 4080
112     ctataccgga cacattagga aagcttaca ggctaagatt cttgtatgac taaaaatctt 4140
113     cactagtttt taacttaatg caatttgatt atcctttcaa gtgattgatt atatcacaaa 4200
114     ttactggata ggcgtctcaa caacaactgc ctctctggtc caattccaat gtcactgact 4260
115     aatattacaa ctcttcaagt cctgtaagta ttccgacct tccagatagt tttgttgttg 4320
116     tggatgtttc aattttaata ctaaatatgt tcatcaggga tttatcaa acatcggtat 4380
117     caggaccagt accggataat ggctcatttt cttgttttac acctatcagg tttaatgcta 4440
118     gtaatatctt taatattatg gttcttactt ctactgcgaa agctatgata atattttttt 4500
119     tctccttcat atattatcac tttcgcagtt ttggcaataa tttgaattta tgtggacctg 4560
120     taactgggag gccctgccct ggatctcccc cattttctcc accacctccg ttcatcccaa 4620
121     catcaacagt acagcctcca ggtgatttag tttttatatt aattcccgtta attaatatta 4680
122     tgactgtaaa aattggtgtt aatttcacca gttgcgaata aagtattttc cttctttctc 4740
123     ttactgtgct tatgaaggac aaaatggctc caactggagct attgctgggg gagtagctgc 4800
124     tgggtgctgct ttactgtttg ctgcacctgc aatggcattt gcatgggtgc ggagaagaaa 4860
125     accgcgagaa catttctttg atgtgccagg ttagtctgtt aaatagatat ctattgaagc 4920
126     gcttactgtc tgtggacttt gttttcactg tcattagtta acttcagctg aagaggacct 4980
127     agaagtgcac cttggtcaac tgaagaggtt ttctctgcga gaattgcaag tgcgaacgga 5040
128     tacttttagt accatccttg gaagaggttg atttggttaag gtgtataagg gacgccttgc 5100
129     tgatggctca cttgtagcag ttaaaaggct taaagaagaa cgaacaccag gtggcgagct 5160
130     gcagtttcaa acagaagtgg aaatgattag catggctgtg catcgaaatc ttctgcgtct 5220
131     acgtggtttc tgcattgacac ctaccgagcg gcttcttgta tatccataca tggctaattg 5280
132     aagtgttgcg tcatgtttta gaggtatctc agttacaatt accataactt gccagaagtt 5340
133     tgtttgatta aaaatgaaat ataactccct aactatgtt aaggtgttat aatttctgag 5400
134     cagatcttat ttccatttgc aagataccag ttattattgt tttttctgta attgataccg 5460
135     gttatatttc tttctgttat ttggttatat gcaaggattt cgagtcta atagttatcaa 5520
136     actggatgct atgtttatct tgcaattgaa ttcttgcttc atgtgccaaa atatatatga 5580
137     ttcaacttgg aatcatctta taatatactg tgtaaagtc gctgttgact tcatcatta 5640
138     attagtcttc ataaatcaga atctgcctag tgagctttac cgacatactc taaacctttc 5700
139     ttatggccct gtatataatc gtcccactta cttatttcag tttgtctgct ctctgaattt 5760
140     ttgatctgta cattgtgatg tcttgttttc atcaaatgta gagcgtcagc catcagaacc 5820
141     tccccctgat tggccaacta gggagaggat tgcactagga tcttctaggg gcctatctaa 5880
142     attgcatgac cattgtgatc ccaagattat ccatcgcgat gtaaaagctg caaatatatt 5940
143     attggacgaa gaatttgagg ctgtttagg tgattttggg ttagctagtc tcatggatta 6000
144     caaggatacc catgttacga ctgctgtaag gggataccatt gggcacatag cccccagta 6060

```

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/180,798

DATE: 01/13/2000
 TIME: 12:18:42

Input Set: I180798.RAW

```

145      cctctcgact ggaaagtcac cagagaagac cgatgtcttt ggttatggga taatgctcct 6120
146      agagctcatt actggacaga gggcttttga tcttgctcgc cttgogaacg atgatgatgt 6180
147      tatgttggtg gattgggtat gtgtcccggtg tgttcctttg gttaattatt tcacatatta 6240
148      gtgcttacta ctttgttggt gccctttgtt tttatttcct gctgtatatt gattccttagt 6300
149      catgttatgc atattgacct gctttgcaat gtcttttagg ttaaaagcct tttgaaagag 6360
150      aaaaagttgg agatgctggt cgatcctgac ctgcagaaca attacattga cacagaagtt 6420
151      gagcagctta ttcaagtagc attactctgt acccagggtt cgccaatgga ggcgcctaag 6480
152      atgtcagagg tagtccgaat gcttgaaggt gatggccttg cagaaaagtg ggacgagtgg 6540
153      caaaaagttg aagtcaccca tcaagacgta gaattagctc cacatogaac ttctgaatgg 6600
154      atcctagact cgacagataa cttgcatgct tttgaattat ctgggtccaag ataaacagca 6660
155      tataaaatgt aatgaaatta atattttttaa tgggtt                                     6695
156      <210> SEQ ID NO 2
157      <211> LENGTH: 1815
158      <212> TYPE: DNA
159      <213> ORGANISM: Daucus carota
160      <220> FEATURE:
161      <221> NAME/KEY: CDS
162      <222> LOCATION: (94)..(1752)
163      <400> SEQUENCE: 2
164      gacaaatacc attgaaatat ttgaacctaa ttaattagta gtgtcagggt taaattcaaa 60
165      ctcatttaat tttacttttaa aaaataattc tat atg aat cgt aac agt ata aat 114
166                                     Met Asn Arg Asn Ser Ile Asn
167                                     1           5
168      ata tta aat tac atg cag ttc act gat gct tac ctt gac aaa tat ggg 162
169      Ile Leu Asn Tyr Met Gln Phe Thr Asp Ala Tyr Leu Asp Lys Tyr Gly
170      10           15           20
171      gtt ctt atg aca ttg gag ctt tac agc aat aac ata agt gga cca att 210
172      Val Leu Met Thr Leu Glu Leu Tyr Ser Asn Asn Ile Ser Gly Pro Ile
173      25           30           35
174      cct agt gat ctt ggg aat ctg aca aat ttg gtg agc ttg gac cta tac 258
175      Pro Ser Asp Leu Gly Asn Leu Thr Asn Leu Val Ser Leu Asp Leu Tyr
176      40           45           50           55
177      atg aat agc ttc tct gga cct ata ccg gac aca tta gga aag ctt aca 306
178      Met Asn Ser Phe Ser Gly Pro Ile Pro Asp Thr Leu Gly Lys Leu Thr
179      60           65           70
180      agg cta aga ttc ttg cgt ctc aac aac aac agc ctc tct ggt cca att 354
181      Arg Leu Arg Phe Leu Arg Leu Asn Asn Asn Ser Leu Ser Gly Pro Ile
182      75           80           85
183      cca atg tca ctg act aat att aca act ctt caa gtc ctg gat tta tca 402
184      Pro Met Ser Leu Thr Asn Ile Thr Thr Leu Gln Val Leu Asp Leu Ser
185      90           95           100
186      aac aat cgg cta tca gga cca gta ccg gat aat ggc tca ttt tct ttg 450
187      Asn Asn Arg Leu Ser Gly Pro Val Pro Asp Asn Gly Ser Phe Ser Leu
188      105          110          115
189      ttt aca cct atc agt ttt gcc aat aat ttg aat tta tgt gga ccc gta 498
190      Phe Thr Pro Ile Ser Phe Ala Asn Asn Leu Asn Leu Cys Gly Pro Val
191      120          125          130          135
192      act ggg agg ccc tgc cct gga tct ccc cca ttt tcg cca cca cct ccg 546
193      Thr Gly Arg Pro Cys Pro Gly Ser Pro Pro Phe Ser Pro Pro Pro Pro
194      140          145          150

```

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/180,798

DATE: 01/13/2000
TIME: 12:18:42

Input Set: I180798.RAW

195	ttc atc cca cca tca aca gta cag cct cca gga caa aat ggt ccc act	594
196	Phe Ile Pro Pro Ser Thr Val Gln Pro Pro Gly Gln Asn Gly Pro Thr	
197	155 160 165	
198	gga gct att gct ggg gga gta gct gct ggt gct gct tta ctg ttt gct	642
199	Gly Ala Ile Ala Gly Gly Val Ala Ala Gly Ala Ala Leu Leu Phe Ala	
200	170 175 180	
201	gca cct gca atg gca ttt gca tgg tgg cgg aga aga aaa ccg cga gaa	690
202	Ala Pro Ala Met Ala Phe Ala Trp Trp Arg Arg Arg Lys Pro Arg Glu	
203	185 190 195	
204	cat ttc ttt gat gtg cca gct gaa gag gac cca gaa gtg cac ctt ggt	738
205	His Phe Phe Asp Val Pro Ala Glu Glu Asp Pro Glu Val His Leu Gly	
206	200 205 210 215	
207	caa ctg aag agg ttt tct ctg cga gaa ttg caa gtc gca acg gat act	786
208	Gln Leu Lys Arg Phe Ser Leu Arg Glu Leu Gln Val Ala Thr Asp Thr	
209	220 225 230	
210	ttt agt acc ata ctt gga aga ggt gga ttt ggt aag gtg tat aag gga	834
211	Phe Ser Thr Ile Leu Gly Arg Gly Gly Phe Gly Lys Val Tyr Lys Gly	
212	235 240 245	
213	cgc ctt gct gat ggc tca ctt gta gca gtt aaa agg ctt aaa gaa gaa	882
214	Arg Leu Ala Asp Gly Ser Leu Val Ala Val Lys Arg Leu Lys Glu Glu	
215	250 255 260	
216	cga aca cca ggt ggt gag ctg cag ttt caa aca gag gtg gaa atg att	930
217	Arg Thr Pro Gly Gly Glu Leu Gln Phe Gln Thr Glu Val Glu Met Ile	
218	265 270 275	
219	agc atg gct gtg cat cga aat ctt ctg cgt cta cgt ggt ttc tgc atg	978
220	Ser Met Ala Val His Arg Asn Leu Leu Arg Leu Arg Gly Phe Cys Met	
221	280 285 290 295	
222	aca cca aca gag cgg ctt ctt gta tat cca tac atg gct aat gga agt	1026
223	Thr Pro Thr Glu Arg Leu Leu Val Tyr Pro Tyr Met Ala Asn Gly Ser	
224	300 305 310	
225	gtt gcg tcg tgt tta aga gag cgt cag cca tca gaa cct ccc ctt gat	1074
226	Val Ala Ser Cys Leu Arg Glu Arg Gln Pro Ser Glu Pro Pro Leu Asp	
227	315 320 325	
228	tggt cca act agg aag agg att gca cta gga tct gct agg ggg ctt tct	1122
229	Trp Pro Thr Arg Lys Arg Ile Ala Leu Gly Ser Ala Arg Gly Leu Ser	
230	330 335 340	
231	tat ttg cat gac cat tgt gat ccc aag att atc cat cgt gat gta aaa	1170
232	Tyr Leu His Asp His Cys Asp Pro Lys Ile Ile His Arg Asp Val Lys	
233	345 350 355	
234	gct gca aat ata tta ttg gac gaa gaa ttt gag gct gtt gta ggt gat	1218
235	Ala Ala Asn Ile Leu Leu Asp Glu Glu Phe Glu Ala Val Val Gly Asp	
236	360 365 370 375	
237	ttt ggg tta gct agg ctc atg gat tac aag gat acc cat gtt aca act	1266
238	Phe Gly Leu Ala Arg Leu Met Asp Tyr Lys Asp Thr His Val Thr Thr	
239	380 385 390	
240	gct gta agg ggt acc ttg ggc tac ata gct ccc gag tac ctc tcg act	1314
241	Ala Val Arg Gly Thr Leu Gly Tyr Ile Ala Pro Glu Tyr Leu Ser Thr	
242	395 400 405	
243	gga aag tca tca gag aag acc gat gtc ttt ggt tat ggg att atg ctc	1362
244	Gly Lys Ser Ser Glu Lys Thr Asp Val Phe Gly Tyr Gly Ile Met Leu	

PAGE: 6

VERIFICATION SUMMARY
PATENT APPLICATION US/09/180,798

DATE: 01/13/2000
TIME: 12:18:42

Input Set: I180798.RAW

Line	? Error/Warning	Original Text
44	W "N" or "Xaa" used: Feature required	tctagatgac gaaatcgcg tacctttgat ttngaaat
55	W "N" or "Xaa" used: Feature required	acctgnggac aaaagaagcg ctgatgaact gatttaat
76	W "N" or "Xaa" used: Feature required	agtcacatna taaaattggn gggttgaca aatataac
272	W Invalid/Missing Amino Acid Numbering	